

034942-245  
(formerly 110619CFB.US)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Booth et al.  
SERIAL NO.: 09/885,811  
FILING DATE: June 19, 2001  
TITLE: HYBRID POLAR MODULATOR DIFFERENTIAL PHASE  
CARTESIAN FEEDBACK CORRECTION CIRCUIT FOR  
POWER AMPLIFIER

EXAMINER: [not yet assigned]

ART UNIT: [not yet assigned]

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WASHINGTON, D.C. 20231

**DECLARATION AND CONSENT OF ASSIGNEE**

I hereby declare that:

I am authorized to act on behalf of the Assignee, Tropian, Inc.

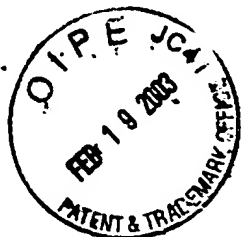
The entire title to the patent application identified above is vested in the Assignee as evidenced by the attached Assignment, which was recorded at Reel 011955, Frame 0903.

I hereby revoke any Powers of Attorney previously given in this matter and appoint the following attorneys to prosecute the above-identified patent application and to transact all business in the Patent and Trademark Office connected therewith:

Robert E. Krebs, Registration No. 25,885; David B. Ritchie, Registration No. 31,562; Marc S. Hanish, Registration No. 42,626; John P. Schaub, Registration No. 42,125; Adrienne Yeung, Registration No. 44,000; Steven J. Robbins, Registration No. 40,299; Thierry K. Lo, Registration No. 49,097; William Samuel Niece, Registration No. 47,824; J. Davis Gilmer, Registration No. 44,711; William E. Winters, Registration No. 42,232, Masako Ando, (37 C.F.R. §10.9 (b)); and John Klaas Uilkema, Registration No. 20,282; Becky L. Troutman, Registration No. 36,703; and Hal J. Bohner, Registration No. 27,856.

Dated: 5 Feb 2003

Name: Earl W. McCune, Jr.  
Title: Chief Technical Officer  
Tropian, Inc.



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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SEPTEMBER 15, 2001

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\*101774800A\*

TROPIAN INC.  
ATTN: PATENT COUNSEL  
20813 STEVENS CREEK BLVD.  
CUPERTINO, CA 95014-5649

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RECORDATION DATE: 06/19/2001

REEL/FRAME: 011955/0903  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
BOOTH, RICHARD W.D.

DOC DATE: 06/19/2001

ASSIGNOR:  
TWITCHELL, EDWIN R.

DOC DATE: 06/19/2001

ASSIGNOR:  
MOW, MATTHEW A.

DOC DATE: 06/19/2001

ASSIGNEE:  
TROPIAN INC.  
ATTN: PATENT COUNSEL  
20813 STEVENS CREEK BLVD.  
CUPERTINO, CALIFORNIA 95014-5649

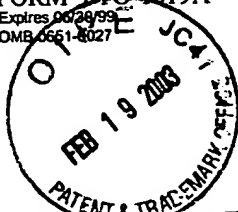
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JP072 U.S. PTO  
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Name (line 1) **Richard W. D. Booth**

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Name (line 2)

**Second Party**

Name (line 1) **Edwin R. TWITCHELL**

Execution Date  
Month Day Year  
**06/19/2001**

Name (line 2)

**Receiving Party**

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Name (line 1) **TROPIAN INC.**

Name (line 2)

Address (line 1) **ATTN: PATENT COUNSEL**

Address (line 2) **20813 Stevens Creek Blvd.**

Address (line 3) **Cupertino**

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State/Country

**95014-5649**

Zip Code

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Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

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Area Code and Telephone Number (408) 865-1300

Name TROPIAN INC.

Address (line 1) ATTN: PATENT COUNSEL

Address (line 2) 20813 Stevens Creek Blvd., Cupertino, CA 95014-5649

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Patent Number(s)

09855811						

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

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**Patent Cooperation Treaty (PCT)**

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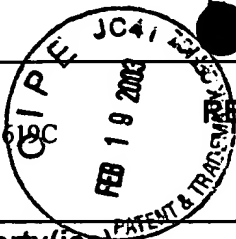


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Name (line 1) Matthew A. MOW

Execution Date  
Month Day Year  
06/19/2001

Name (line 2)

Name (line 1)

Name (line 2)

Name (line 1)

Name (line 2)

Execution Date  
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Execution Date  
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Patent Application Number(s)

Patent Number(s)



**ASSIGNMENT**

(JOINT)

THIS ASSIGNMENT, by Richard W. D. Booth  
 residing at 237 San Mateo Ave Los Gatos CA 95030 US  
 (and) Edwin B. TWITCHELL  
 residing at 4041 Ross Ave San Jose CA 95124 US  
 (and) Matthew A. MOW  
 residing at 10251 Rancho Place Unit A, Cupertino, CA 95014  
 (and) \_\_\_\_\_  
 residing at \_\_\_\_\_  
 (and) \_\_\_\_\_  
 residing at \_\_\_\_\_  
 (and) \_\_\_\_\_  
 residing at \_\_\_\_\_  
 (and) \_\_\_\_\_  
 residing at \_\_\_\_\_  
 and \_\_\_\_\_  
 residing at \_\_\_\_\_  
 (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in  
Hybrid polar modulator differential phase cartesian feedback correction circuit for power amplifier  
 set forth in an application for Letters Patent of the United States,

- (1) ☐ which is a provisional application  
      (a) ☐ to be filed herewith; or  
      (b) ☐ bearing Application No. , and filed on ; or
- (2) ☒ which is a non-provisional application  
      (a) ☒ having an oath or declaration executed on even date herewith prior to  
           filing of application;  
      (b) ☐ bearing Application No. \_\_\_\_\_, and filed on \_\_\_\_\_; or  
      (c) ☐ to be filed; and

WHEREAS, TROPIAN, INC., a corporation duly organized under and pursuant to the laws  
 of THE STATE OF CALIFORNIA and having its principal place of business at 20813 STEVENS CREEK  
 BOULEVARD, SUITE 150, CUPERTINO, CALIFORNIA 95014 (hereinafter referred to as "the Assignee"), is  
 desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications  
 on said inventions and the entire right, title and interest in and to any applications, including provisional  
 applications for Letters Patent of the United States or other countries claiming priority to said application,  
 and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient  
 consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned,  
 transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee,  
 its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-  
 mentioned inventions, the right to file applications on said inventions and the entire right, title and interest  
 in and to any applications for Letters Patent of the United States or other countries claiming priority to said  
 applications, and any and all Letters Patent or Patents of the United States of America and all foreign  
 countries that may be granted therefor and thereon, and in and to any and all applications claiming priority  
 to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues  
 and extensions of said Letters Patent or Patents, and all rights under the International Convention for the  
 Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and  
 behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the

term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date 06/19/2001

Signature of Assignor



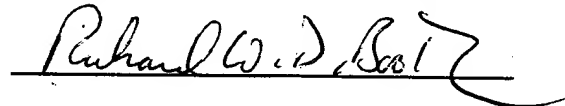
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Signature of Assignor



Date 06/19/2001

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